



PTO/SB/08A (08-03)

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 4

Complete If Known

Application Number	10/773,796
Filing Date	February 6, 2004
First Named Inventor	Veerasamy, Vijayen
Art Unit	4773 1762
Examiner Name	Unassigned Padgett
Attorney Docket Number	014089-002580US

U.S. PATENT DOCUMENTS+						
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number Kind Code ² (if known)				
[Signature]	0001	US-4,123,316	10-31-1978	Tsuchimoto		
	0002	US-4,226,666	10-07-1980	Winters et al.		
	0003	US-4,749,608	06-07-1988	Nakayama et al.		
	0004	US-4,822,468	04-18-1989	— Rabalais et al.		
	0005	US-5,017,835	05-21-1991	Oechsner		
	0006	US-5,064,809	11-12-1991	Hed		
	0007	US-5,082,359	01-21-1992	Kirkpatrick		
	0008	US-5,082,522	01-21-1992	Purdes et al.		
	0009	US-5,091,049	02-25-1992	Campbell et al.		
	0010	US-5,128,206	06-30-1992	Garg et al.		
	0011	US-5,158,703	10-20-1992	Oechsner		
	0012	US-5,182,132	01-26-1993	Murai et al.		
	0013	US-5,186,973	02-16-1993	Garg et al.		
	0014	US-5,246,884	09-21-1993	Jaso et al.		
	0015	US-5,384,690	11-15-1994	Takahashi et al.		
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	0019	US-5,462,784	10-31-1995	— Grill et al.		
	0020	US-5,466,431	11-14-1995	Dorfman et al.		
	0021	US-5,470,881	11-28-1995	Bailey et al.		
	0022	US-5,559,367	09-24-1996	Cohen et al.		
	0023	US-5,569,501	10-29-1996	Bailey et al.		
	0024	US-5,607,783	03-04-1997	Onodera		
	0025	US-5,618,179	04-01-1997	Baldwin et al.		
	0026	US-5,637,393	06-10-1997	Ueda et al.		
	0027	US-5,705,272	01-08-1998	Taniguchi		
	0028	US-5,852,303	12-22-1998	Cuomo et al.		
	0029	US-5,945,191	08-31-1999	Hwang et al.		
	[Signature]	0030	US-6,084,148	05-18-2000	Tolt et al.	
		0031	US-6,194,047	02-27-2001	Hayashi	

Examiner
SignatureDate
Considered

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		Application Number	10/773,796		
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		First Named Inventor	Veerasamy, Vijayen		
		Art Unit	1773 1762		
Sheet	2	of	4	Examiner Name	Unassigned Padgett
				Attorney Docket Number	014089-002580US

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
	0032	EP	0 552 491	A1	07-28-1993	Collins et al.		<input type="checkbox"/>
	0033	EP	0 595 564	A2	05-04-1994	Takai et al.		<input type="checkbox"/>
	0034	EP	0 700 033	A2	03-08-1996	Gray		<input type="checkbox"/>
	0035	JP	2-168540	A	06-28-1990	Oda		<input type="checkbox"/>
	0036	JP	5-143971	A	06-11-1993	Okumura et al.		<input type="checkbox"/>
	0037	JP	6-139580	A	05-20-1994	Miyazaki		<input type="checkbox"/>
	0038	JP	6-349054	A	12-22-1994	Onodera		<input type="checkbox"/>
								<input type="checkbox"/>

*reviewed parent's file
- no references present there in
M/P*

Examiner Signature		Date Considered	2/8/05
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60260100 v1

Substitute for form 1449B/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	10/773,796	
			Filing Date	February 6, 2004	
			First Named Inventor	Veerasamy, Vijayen	
			Art Unit	1773 1762	
			Examiner Name	Unassigned M.L. Padgett	
Sheet	3	of	4	Attorney Docket Number	014089-002580US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	0039	Aisenberg, S. et al.; "Ion-Beam Deposition of Thin Films of Diamondlike Carbon," <u>J. Appl. Phys.</u> ; June 1971; pp. 2953-2958; vol. 42; No. 7.	
	0040	Boxman, R.L. et al.; "Recent Progress in Filtered Vacuum Arc Deposition;" <u>Paper submitted, Int. Conf. Metallurgical Coatings and Thin Films</u> ; April 1996; San Diego.	
	0041	Chhowalla, M. et al.; "Deposition of Smooth Tetrahedral Amorphous Carbon Thin Films Using a Cathodic Arc Without a Macroparticle Filter;" <u>Appl. Phys. Lett.</u> ; 1995; pp. 894-896; vol. 67; No. 7.	
	0042	Chhowalla, M. et al.; "Stationary Carbon Cathodic Arc: Plasma and Film Characterization;" <u>J. Appl. Phys.</u> ; 1996; pp. 2237-2244; vol. 79; No. 5.	
	0043	Dissertation by Dieter Martin, 1995.	
	0044	Dissertation by Manfred Weller, 1994.	
	0045	Dissertation by Vijayen S. Veerasamy, 1994.	
	0046	Grill, A. et al.; "Diamondlike Carbon Deposited by DC PACVD;" <u>Diamond Films and Techn.</u> ; 1992; pp. 219-233; vol. 1, No. 4.	
	0047	Grill, A., et al.; "Diamondlike Carbon Films by rf Plasma-Assisted Chemical Vapor Deposition from Acetylene;" <u>IMB J. Res. Develop.</u> ; November 1990; pp.849-857; vol. 34; No. 6.	
	0048	Kuhn, M. et al.; "Deposition of Carbon Films By A Filtered Cathodic Arc;" <u>Diamond and Related Materials</u> ; August 1993; pp. 1350-1354; vol. 2; No. 10.	
	0049	Oechsner, H. et al.; "An RF Plasma Beam Source for Thin Film and Surface Technology;" <u>Proc. 1st Int. Conf. on Plasma Surface Engineering, Garmisch Partenkirchen, 1988</u> ; 1989; pp. 1017-1024; vol. 11; DGM Informationen Gesellschaft, Oberviel.	
	0050	Oechsner, H.; "Electron Cyclotron Wave Resonances and Power Absorption Effects in Electrodeless Low Pressure H.F. Plasmas with a Superimposed Static Magnetic Field;" <u>Plasma Physics</u> ; 1974; pp. 835-844; vol. 16.	
	0051	Park, K.C. et al.; "Enhancement of Field-Emission Characteristics by Using Hydrogen-Free Diamond-Like Carbon Film Deposited by Plasma-Enhanced Chemical Vapor Deposition;" <u>SID 96 Digest</u> ; 1996; pp. 49-52.	
	0052	Pfeiffer, B.; "Skin Effect in Anisotropic Plasmas and Resonance Excitation of Electron-Cyclotron Waves. I. Theory;" <u>Journal of Applied Physics</u> ; 1966; pp. 1624-1627; vol. 37; No. 4.	
	0053	PR Newswire. CeBIT Showcase for Major Advance in Magnetic Disk Storage Capacity; Feb. 2000; Hanover, Germany; website: http://www.prnswire.com ; (Feb. 19, 2000).	
	0054	Sager, O.; "The Influence of Nonuniform Density Distribution and Electron Temperature on the Helicon-Resonances in Low Pressure Discharges;" 1971.	

Examiner Signature	<i>M.L. Padgett</i>	Date Considered	2/8/05
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		Art Unit	1773-1762		
Sheet	4	of	4	Examiner Name	Unassigned <i>Padgett</i>
				Attorney Docket Number	014089-002580US

NON PATENT LITERATURE DOCUMENTS ²			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	0055	Szuszczewicz, Edward P.; "Spatial Distributions of Plasma Density in a High-Frequency Discharge with a Superimposed Static Magnetic Field," <u>The Physics of Fluids</u> ; 1972; pp. 2240-2246; vol. 15; No. 12.	
	0056	Thesis by Armin Fuchs, 1987.	
	0057	Thesis by Franz Schon, 1968.	
	0058	Thesis by Manfred Weiler, 1989.	
	0059	Veerasamy, V.S. et al.; "Electronic Density of States in Highly Tetrahedral Amorphous Carbon," <u>Solid-State Electronics</u> ; 1994; pp. 319-326; vol. 37; No. 2.	
	0060	Weiler, M. et al.; "Highly Tetrahedral, Diamond-like Amorphous Hydrogenated Carbon Prepared from a Plasma Beam Source," <u>Appl. Phys. Lett.</u> ; 1994; pp. 2797-2799; vol. 64; No. 23.	
	0061	Weiler, M. et al.; "Preparation and Properties of Highly Tetrahedral Hydrogenated Amorphous Carbon," <u>Physical Review B</u> ; 1996; pp. 1594-1608; vol. 53; No. 3.	
	0062	Weiler, M. et al.; "Structure of Amorphous Hydrogenated Carbon: Experiment and Computer Simulation," <u>Diamond and Related Materials</u> ; 1994; pp. 245-253; vol. 3.	

file wrapper
 reviewed parent - no references found therein,
 (10/354,336, now PNG, 740, 384)

hence these literature references can not be
 reviewed by the examiner.

Examiner Signature	<i>A. L. Padgett</i>	Date Considered	<i>2/8/05</i>
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